

WHAT IS CLAIMED IS:

1. A gene having DNA which is selected from a) or b):

a) DNA having a nucleotide sequence from the 190th position to the 807th position of a nucleotide sequence represented in ~~SEQ.ID NO. 1 of Sequence Listing;~~

or

b) DNA which hybridizes to DNA of a) under stringent conditions, and encodes a transcription factor capable of altering characters of a plant.

2. A gene encoding a transcription factor which is selected from i) or ii):

i) a transcription factor having an amino acid sequence from the 1st position to the 206th position of an amino acid sequence represented in SEQ.ID NO. 2; or

ii) a transcription factor having an amino acid sequence in which one or more amino acids of i) are subjected to deletion, substitution, or addition, and being capable of altering characters of a plant.

3. A gene according to claim 1, wherein the characters of a plant include one selected from the group consisting of a height of a plant and a length of an internode.

4. A method for producing a transgenic plant, comprising the steps of:

introducing a plant cell with the gene of claim 1; and

regenerating a plant body from the plant cell having the introduced gene.

5. A method according to claim 4, wherein the plant

09156580-091898

Sub
C1

Sub
B2

31

belongs to dicotyledon.

6. A method according to claim 5, wherein the plant belongs to Solanaceae.

7. A method according to claim 6, wherein the plant belongs to Petunia.

7 ~~A~~. A method according to claim ³~~A~~, wherein the ^{DNA molecule}~~gene~~ is incorporated into a plant expression vector.

8 ~~A~~. A transgenic plant produced by the method of claim ³~~A~~.

Add
B³ ✓

32

09156580 091898